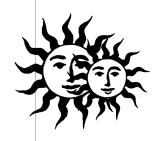
X



# **Sunnyside Cogeneration Associates**

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 16, 2009

Daron Haddock Utah Division of Oil, Gas & Mining 1594 W. North Temple, Suite 1210 Salt Lake City, Utah 84116

RE: Third Quarter 2009 Inspection Report Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the Third Quarter 2009 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter

Agent For

Sunnyside Cogeneration Associates

c.c. Steve Gross
 William Rossiter
 Paul Shepard
 Maggie Estrada
 Rusty Netz
 Plant File

RECEIVED OCT 2 0 2009

**GENERAL INFORMATION** 

**Railcut Sediment Pond** 

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

Sunnyside Cogeneration Associates

#### IMPOUNDMENT IDENTIFICATION

Impoundment Name

RailCut Sediment Pond

Impoundment Number

<u>007</u>

**UPDES Permit Number** 

UT024759

MSHA ID Number

N/A

### IMPOUNDMENT INSPECTION

Inspection Date

<u>September 17, 2009</u>

Inspected by

Rusty Netz

Reason for Inspection

Third Quarter Inspection 2009

# 1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet

Pond bottom elevation = 6206.0

100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209

60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7

Existing Sediment Elevation = 6207.1 + -

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07

Emergency Spillway Elevation = 6212.34

#### 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.

No samples were taken Pond did not require decanting

Sediment levels were good

Embankment conditions were good. Vegetation on outslopes was adequate.

#### **Rail Cut Sediment Pond**

#### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed Some water was impounded

No other aspects of the impounding structure were observed that could affect its stability or functionality.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature:

## **CERTIFIED REPORT** IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?

3. Has the impoundment met all applicable performance standards and effluent limitations

from the previous date of inspection?

YES

#### COMMENTS/ OTHER INFORMATION

None

#### **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

#### **Old Coarse Refuse Road Sediment Pond**

### **GENERAL INFORMATION**

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

**Sunnyside Cogeneration Associates** 

### IMPOUNDMENT IDENTIFICATION

Impoundment Name

Old Coarse Refuse Road Sediment Pond

Impoundment Number

008

**UPDES Permit Number** 

UT024759

MSHA ID Number

N/A

### IMPOUNDMENT INSPECTION

Inspection Date

September 17, 2009

Inspected by

**Rusty Netz** 

Reason for Inspection

**Third Quarter Inspection 2009** 

# 1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet

Pond bottom elevation = 6394.0

100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1

60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75

Existing Sediment Elevation = 6394.3 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75

Emergency Spillway Elevation = 6399.4

## 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting. Sediment level was good.

Embankment conditions were good. Vegetation on outslopes was adequate.

#### **Old Coarse Refuse Road Sediment Pond**

#### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature:

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

<u>YES</u>

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?

**YES** 

3. Has the impoundment met all applicable performance standards and effluent limitations

from the previous date of inspection?

YES

## **COMMENTS/ OTHER INFORMATION**

None

#### **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

**Pasture Sediment Pond** 

## **GENERAL INFORMATION**

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

Sunnyside Cogeneration Associates

## IMPOUNDMENT IDENTIFICATION

Impoundment Name

Pasture Sediment Pond

Impoundment Number

009

**UPDES Permit Number** 

UT024759

MSHA ID Number

N/A

### IMPOUNDMENT INSPECTION

Inspection Date

September 17, 2009

Inspected by

Rusty Netz

Reason for Inspection

Third Quarter Inspection 2009

# 1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet

Pond bottom elevation = 6484.5

100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2

60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5

Existing Sediment Elevation = 6485.1 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6

Emergency Spillway Elevation = 6490.6

#### 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting. Sediment level was good

Embankment conditions were good. Vegetation on outslopes was adequate.

#### **Pasture Sediment Pond**

#### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Date: 10/16/09

# CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

YES

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?

**YES** 

3. Has the impoundment met all applicable performance standards and effluent limitations

from the previous date of inspection?

YES

## **COMMENTS/ OTHER INFORMATION**

None

## **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural transfer hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules

By: Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

#### **Coarse Refuse Toe Sediment Pond**

## **GENERAL INFORMATION**

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

Sunnyside Cogeneration Associates

## IMPOUNDMENT IDENTIFICATION

Impoundment Name

New Coarse Refuse Toe Sediment Pond

Impoundment Number

012

**UPDES Permit Number** 

UT024759

MSHA ID Number

<u>N/A</u>

## IMPOUNDMENT INSPECTION

Inspection Date

September 17, 2009

Inspected by

Rusty Netz

Reason for Inspection

Third Quarter Inspection 2009

# 1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet

Pond bottom elevation = 6176.0

100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8

60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0

Existing Sediment Elevation = 6176.5 + /

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2

Emergency Spillway Elevation = 6183.63

#### 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.

No samples were taken Pond did not require decanting

Sediment level was good

Embankment conditions were good. Vegetation on outslopes was adequate.

#### Coarse Refuse Toe Sediment Pond

#### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

## **CERTIFIED REPORT** IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?

3. Has the impoundment met all applicable performance standards and effluent limitations

from the previous date of inspection?

YES

## COMMENTS/ OTHER INFORMATION

None

## **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure or under my direction and include any appearances of many affecting stability in accordance with the Utah R645 Coal Mining Bale of ESSIONA

By: S. Scott Carlson, PE, Twin Peaks, P.

P.E. Number & State: 187727 UTAH

**GENERAL INFORMATION** 

**Coal Pile Sediment Pond** 

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

Sunnyside Cogeneration Associates

## IMPOUNDMENT IDENTIFICATION

Impoundment Name

Coal Pile Sediment Pond

Impoundment Number

014

**UPDES Permit Number** 

**UT024759** 

MSHA ID Number

N/A

#### **IMPOUNDMENT INSPECTION**

Inspection Date

September 17, 2009

Inspected by

Rusty Netz

Reason for Inspection

Third Quarter Inspection 2009

# 1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6473.9 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0 Secondary Dewatering Orifice = 6477.2 Primary Spillway Elevation = 6477.9

Emergency Spillway Elevation = 6479.0

## 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting. Sediment level was good.

Embankment conditions were good. Vegetation on outslopes was adequate.

#### **Coal Pile Sediment Pond**

#### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

## CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

YES

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?

3. Has the impoundment met all applicable performance standards and effluent limitations

from the previous date of inspection?

YES

### COMMENTS/ OTHER INFORMATION

None

### **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules ROFESSION

Bv: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

**Borrow Area Sediment Pond** 

#### **GENERAL INFORMATION**

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

Sunnyside Cogeneration Associates

## IMPOUNDMENT IDENTIFICATION

Impoundment Name

**Borrow Area Sediment Pond** 

Impoundment Number

016

**UPDES Permit Number** 

**UT024759** 

MSHA ID Number

<u>N/A</u>

## **IMPOUNDMENT INSPECTION**

**Inspection Date** 

September 17, 2009

Inspected by

Rusty Netz

Reason for Inspection

**Third Quarter Inspection 2009** 

# 1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet

Pond bottom elevation = 6510.0

100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3

60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3

Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3

Emergency Spillway Elevation = 6517.03

#### 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it.

No samples were taken

Sediment level was good. Pond did not require decanting.

Embankment conditions were good. Vegetation on outslopes was adequate.

#### **Borrow Area Sediment Pond**

#### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature:

## CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

**YES** 

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?

3. Has the impoundment met all applicable performance standards and effluent limitations

from the previous date of inspection?

YES

### COMMENTS/ OTHER INFORMATION

None

#### **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

**GENERAL INFORMATION** 

Coarse Refuse Pile

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

**Sunnyside Cogeneration Associates** 

**EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION** 

Pile Name

Coarse Refuse Pile

Pile Number

N/A

MSHA ID Number

1211-UT-09-02093-01

Inspection Date

September 17, 2009

Inspected by

Rusty Netz

Reason for Inspection

Third Quarter Inspection 2009

Attachment to Report? (such as refuse sample analysis or photos)

NO

#### Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

### Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

The East Slurry Cell has been decommissioned and the coal refuse material stored therein has been incorporated as part of the Coarse Refuse Pile.

## **OUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

## **CERTIFICATION STATEMENT**

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

S. Scott Carlson, PE, Twin Peaks, P.C. By:

P.E. Number & State: 187727 UTAH

**GENERAL INFORMATION** 

**Excess Spoil Disposal Area #1** 

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

Sunnyside Cogeneration Associates

**EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION** 

Pile Name

Excess Spoil Disposal Area #1

Pile Number

N/A

MSHA ID Number

1211-UT-09-02093-04

Inspection Date

<u>September 17, 2009</u>

Inspected by

Rusty Netz

Reason for Inspection

Third Quarter Inspection 2009

Attachment to Report? (such as refuse sample analysis or photos)

NO

#### Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

#### **Excess Spoil Disposal Area #1**

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature:

\_Date

#### CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

**GENERAL INFORMATION** 

Excess Spoil Disposal Area #2

Report Date

October 7, 2009

Permit Number

C/007/035

Mine Name

Sunnyside Refuse and Slurry

Company Name

Sunnyside Cogeneration Associates

**EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION** 

Pile Name

Excess Spoil Disposal Area #2

Pile Number

N/A

MSHA ID Number

1211-UT-09-02093-05

**Inspection Date** 

September 17, 2009

Inspected by

Rusty Netz

Reason for Inspection

Third Quarter Inspection 2009

Attachment to Report? (such as refuse sample analysis or photos)

NO

#### **Field Evaluation**

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 17,640 tons of material were placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

## Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Both Slurry Ponds 1 & 2 have now been filled. The Clear Water Pond has been included within this Disposal Area. SCA has completed an enlargement of the Pasture Pond and has decommissioned the Clear Water Pond and incorporated the area within this Disposal Area. They can also continue filling the disposal area to the height approved.

## **QUALIFICATION STATEMENT:**

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature:

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

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